



Revealing migratory pathways and changes in migration behaviour of Eurasian blackcaps using multi-state models

Curk, Teja; Korner-Nievergelt, Fränzi; Cepak, Jaroslav; Cikovic, Davor; Dehorter, Olivier; Fiedler, Wolfgang; Fuller, Wayne; Griffin, Bridget; Karcza, Zsolt; Kiat, Yosef; Köppen, Ulrich; Laesser, Jacques; Madsen, Jesper Johannes; Nebot, Arantza Leal; Stankovic, Daliborka; Jeugd, Henk van der

Publication date:
2017

Document version
Publisher's PDF, also known as Version of record

Document license:
[Unspecified](#)

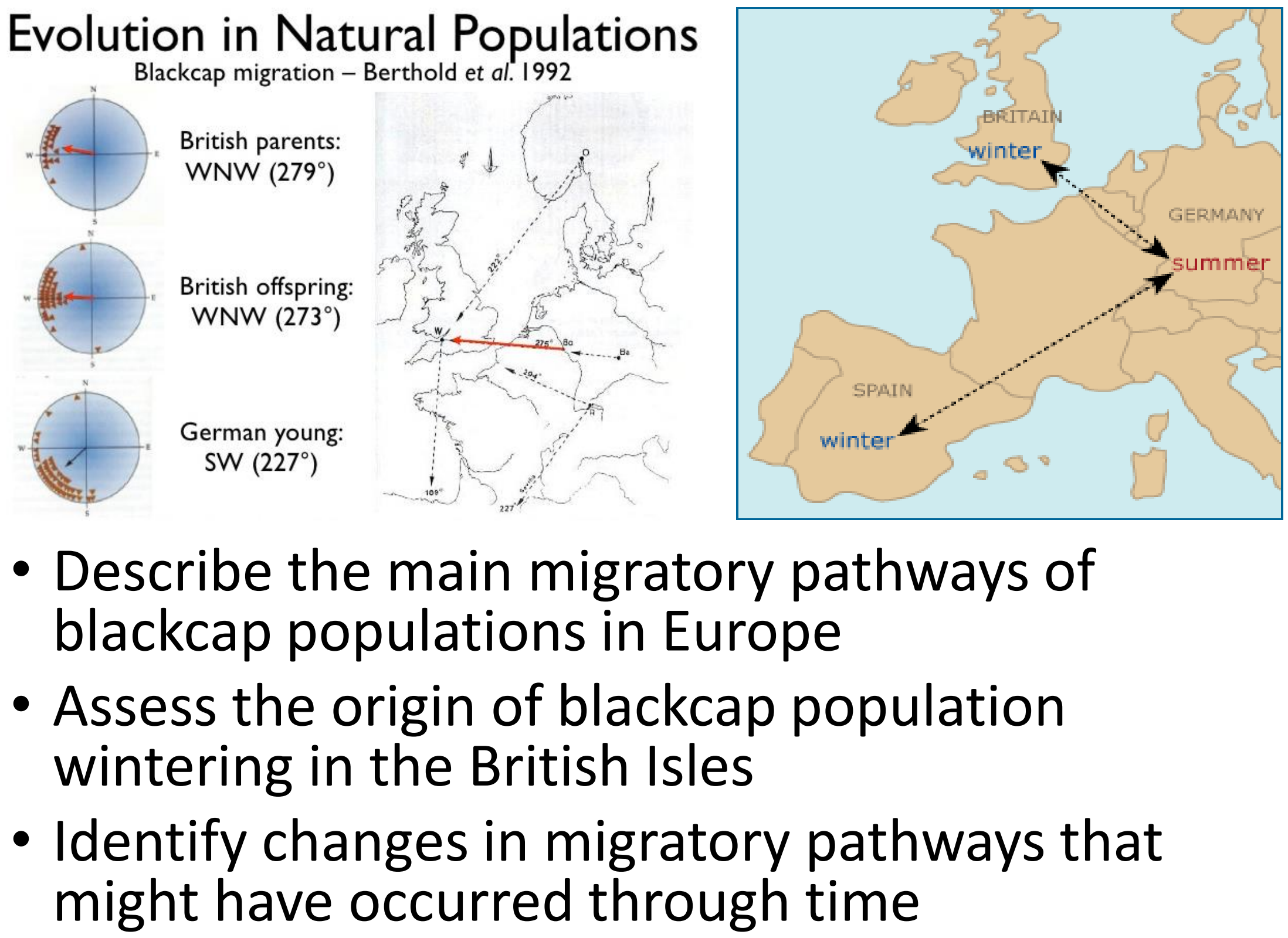
Citation for published version (APA):
Curk, T., Korner-Nievergelt, F., Cepak, J., Cikovic, D., Dehorter, O., Fiedler, W., Fuller, W., Griffin, B., Karcza, Z., Kiat, Y., Köppen, U., Laesser, J., Madsen, J. J., Nebot, A. L., Stankovic, D., & Jeugd, H. V. D. (2017). *Revealing migratory pathways and changes in migration behaviour of Eurasian blackcaps using multi-state models*. Poster session presented at Genetics of Migration, Plön, Germany.

Revealing migratory pathways and changes in migration behaviour of Eurasian blackcaps using multi-state models

Teja Curk¹, Fränzi Korner-Nievergelt², Jaroslav Cepak³, Davor Cikovic⁴, Olivier Dehorter⁵, Wolfgang Fiedler⁶, Wayne Fuller⁷, Bridget Griffin⁸, Zsolt Karcza⁹, Yosef Kiat¹⁰, Ulrich Köppen¹¹, Jacques Laesser¹², Jesper Madsen¹³, Arantza Leal Nebot¹⁴, Daliborka Stankovic¹⁵, Henk van der Jeugd¹

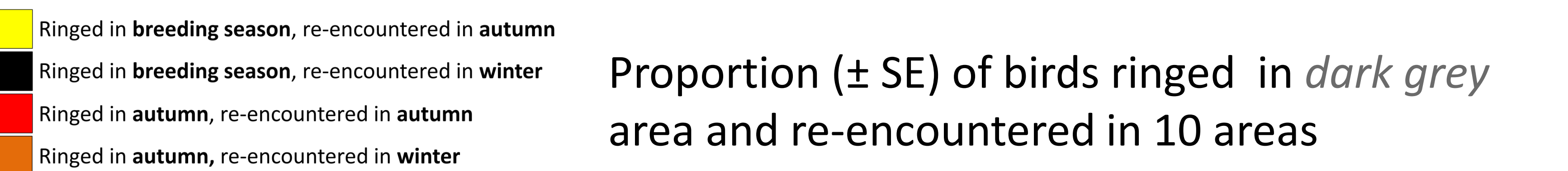
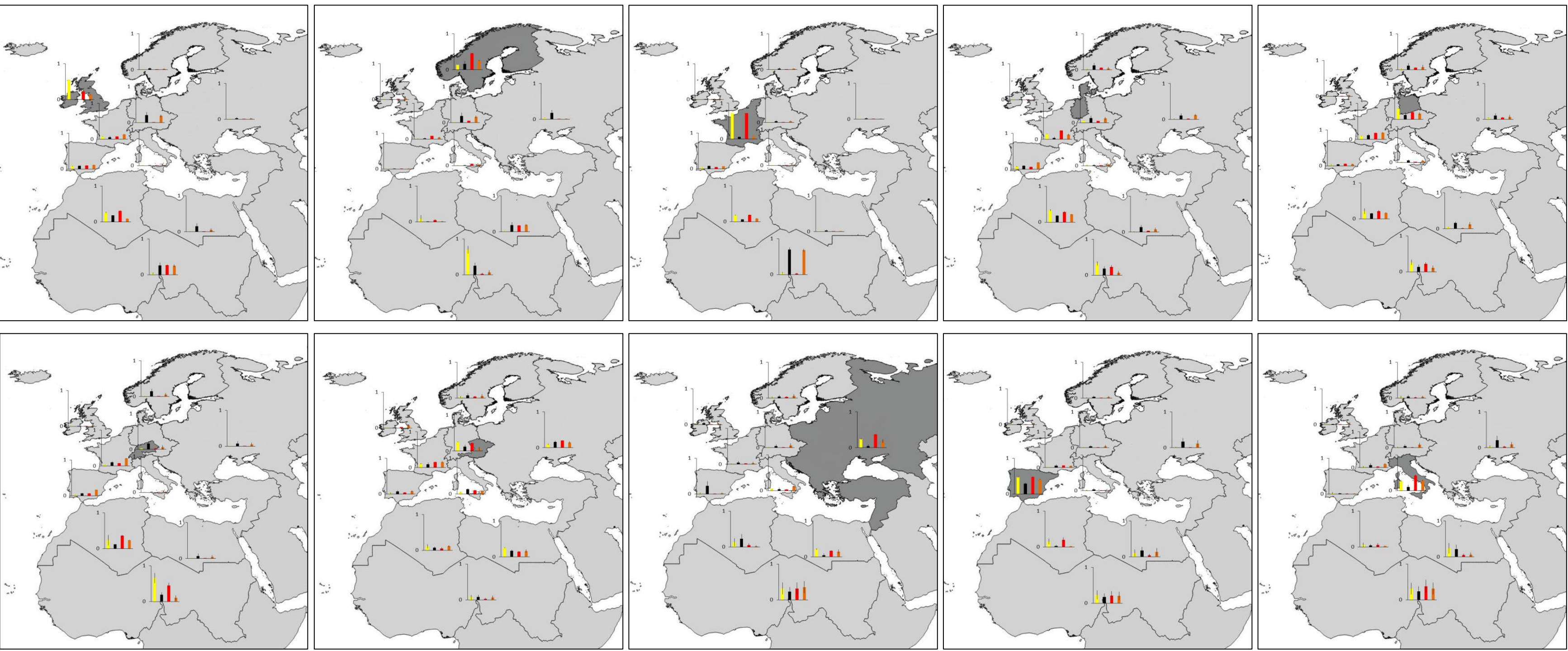
¹Dutch Centre for Avian Migration and Demography, Netherlands; ²Swiss Ornithological Institute, Switzerland; ³Praha Ringing Centre, Czech Republic; ⁴Croatian Ringing Scheme, Croatia; ⁵Paris Ringing Scheme, France; ⁶Vogelwarte Radolfzell, Germany; ⁷Cyprus Ringing Scheme, Cyprus; ⁸BTO, United Kingdom and Republic of Ireland; ⁹Hungarian Ringing Scheme, Hungary; ¹⁰Israeli Bird Ringing Center, Israel; ¹¹Beringungszentrale Hiddensee, Germany; ¹²Schweizerische Vogelwarte, Switzerland; ¹³Copenhagen Bird Ringing Centre, Denmark; ¹⁴Oficina de Anillamiento Madrid, Spain; ¹⁵Serbian Ringing Scheme, Serbia

INTRODUCTION

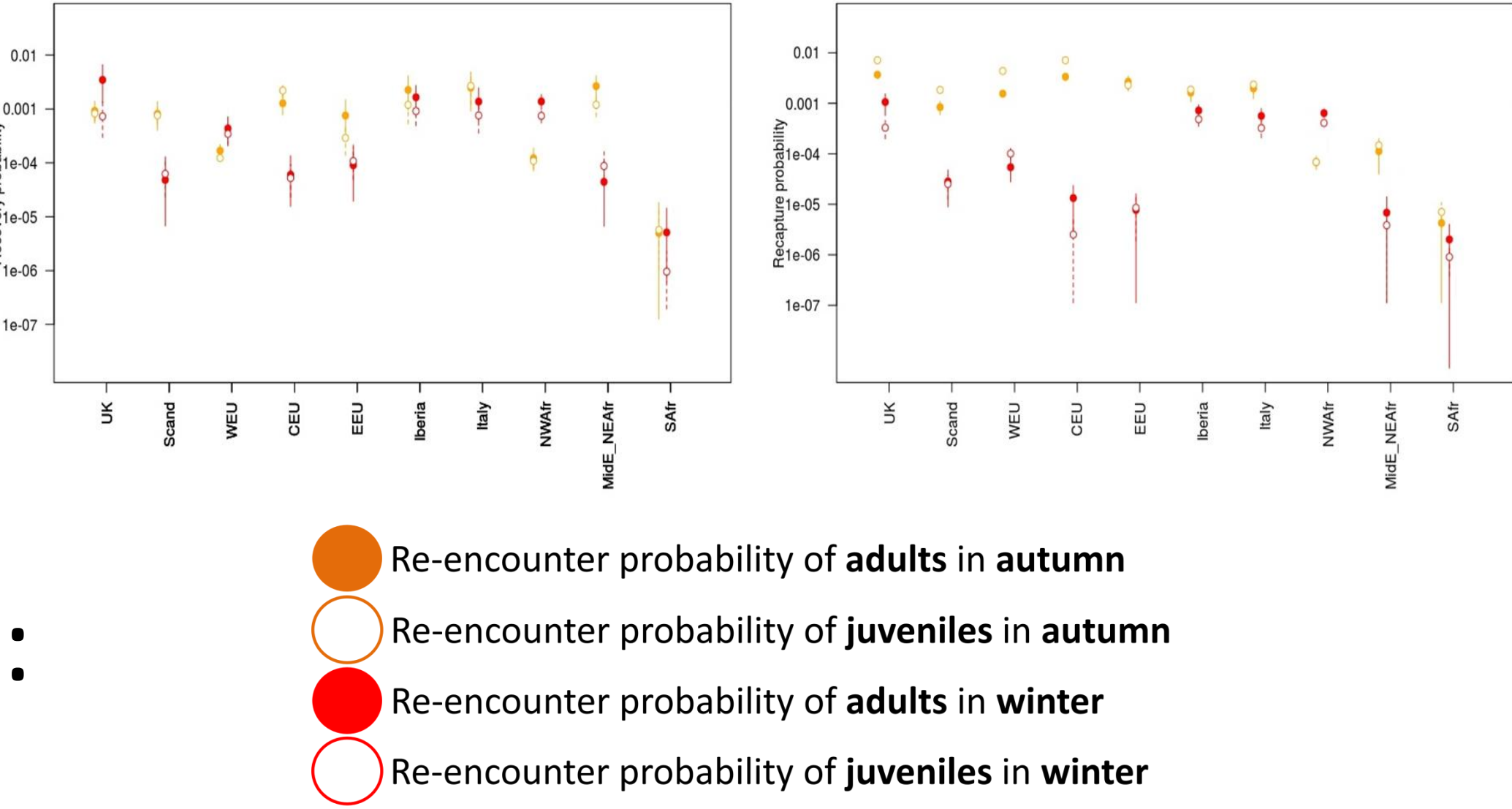
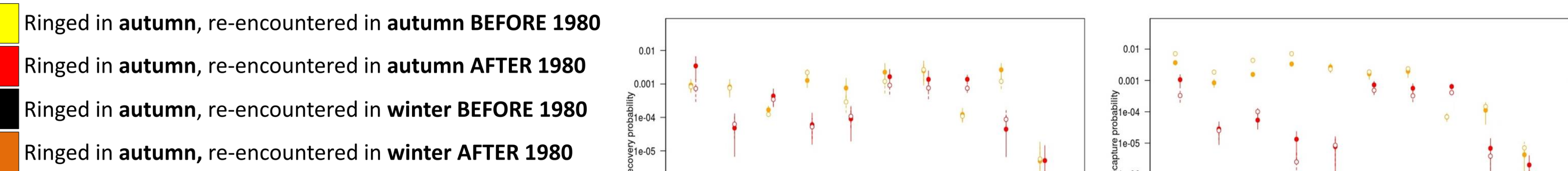
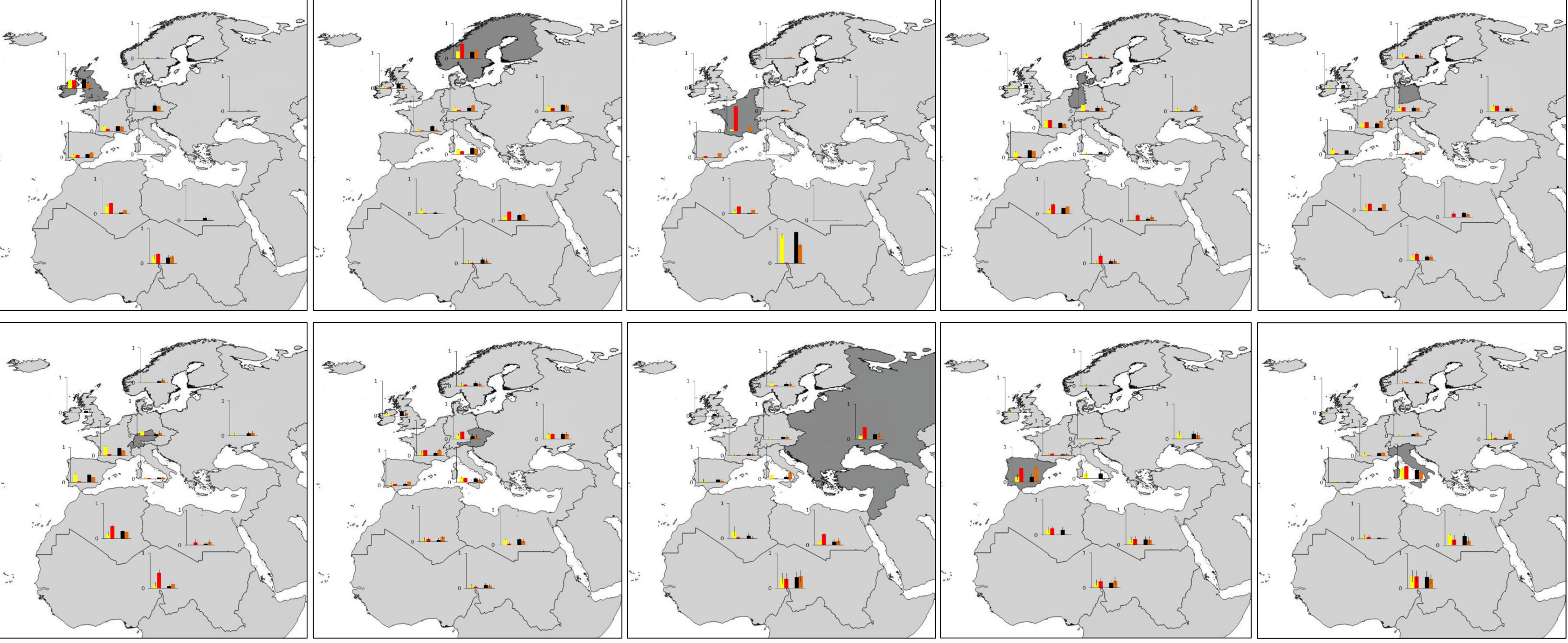


RESULTS

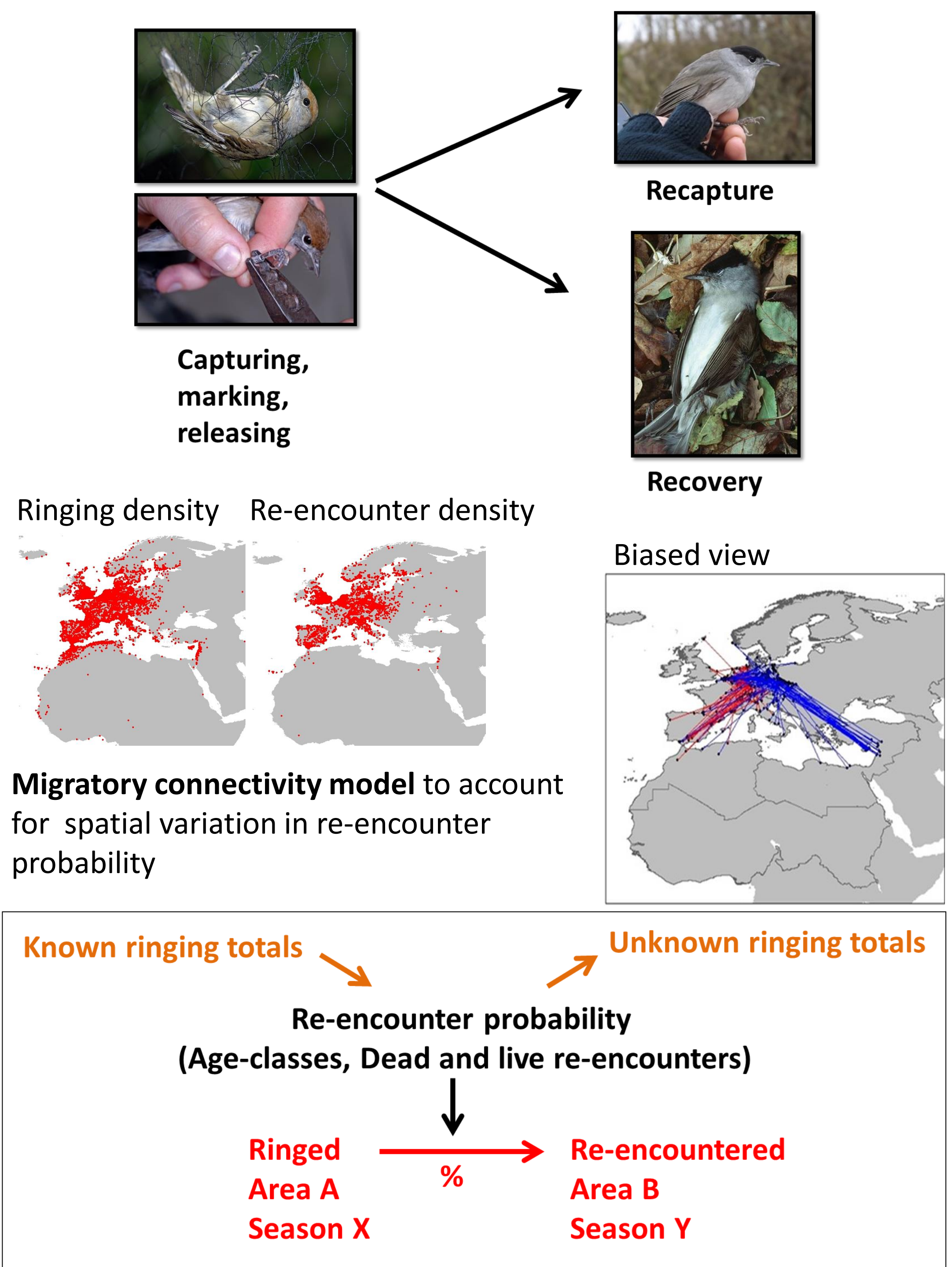
Migratory pathways: 1912-2015



Migratory pathways: BEFORE AND AFTER 1980

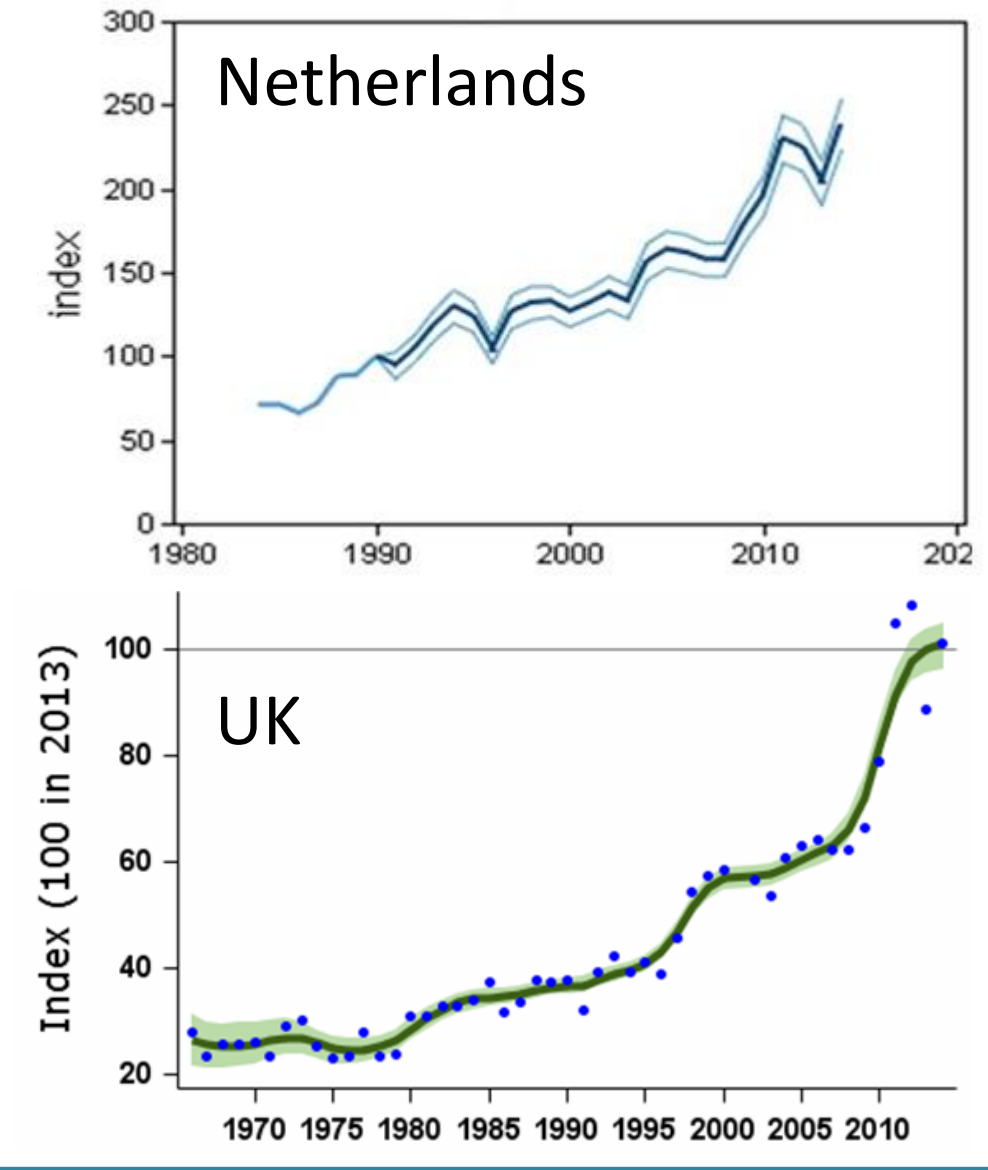


METHODS



DISCUSSION

- Populations east from the migratory divide, located in Austria and the Czech Republic, in autumn mainly migrate SE whereas populations west from the divide mainly migrate SW.
- Migrants from continental Europe and the breeding population from the British Isles do not in large proportions winter in the British Isles. The enormous number of British wintering blackcaps can rather be explained by the overall increase in the blackcap population in Europe.
- Since 1980, residency increased and migration decreased over much of Europe with exceptions of Central Europe and the British Isles. Reduced migration most likely evolved as an adaptation to climate change.



AKNOWLEDGEMENTS

We thank EURING and ringing schemes for providing data and many other people who contributed to this study.